

## The need is the beginning of the story

Healthcare organizations need a system that supports all key processes in the major laboratory departments and includes features for specimen collection, accessioning, workstation support, technologist work lists/queues and workload processing, calculations, procedure processing, quality control, lab result reporting including critical result notification capture, online instrument interfaces, and long-term result retrieval. Today's lab systems must also be flexible and allow the addition of new types of testing and reporting as the world deals with pandemic realities such as COVID-19 and potential future ones. Furthermore, the solution must support localized laboratory nomenclature such as UK's standard order catalogue provided based on National Laboratory Medicine Catalogue (NLMC).

## About the module

With the ability to support CPOE, data capture starts at the time of order processing with specimen collection and label application. Specimen collection information and special collection instruction is incorporated by type of test to be performed. It fully supports the identification of the specimen via bar code.

Laboratory system provides full departmental functionality for the general laboratory areas such as biochemistry, haematology, urinalysis serology, microbiology, and parasitology. It also supports specialty areas such as anatomical pathology/histology and cytology, for both inpatient and outpatient settings. It easily supports send-out testing to reference laboratories as needed with its dispatch processing tracking functions. It supports quality control processing and turnaround time tracking from point of collection to completed result.

It can also be interfaced with an existing Laboratory Information system (LIS). Also, the Laboratory module can interface with blood bank systems, financial systems, and regulatory control agencies for quality assurance reporting purposes.

## **Module Highlights**

01 Order Processing
02 Specimen processing
03 Result processing
04 Chart Review
05 Quality Control Processing
06 Charging/Crediting
07 Lab Management
08 Automatic generation of orders
09 Automatic detection of duplicate tests

		1		-				Patient History  English Store Name	
-	tent Sta	Potal					FeatName		
0.00						E) To Date	Ordering Doctor	F	
	ib Historical Re	ports		Pydent No	From Date			status	
145 * 20						ecation		Sample Collected	
	8		Passport No	E Age 60 years	Request No	Sample No.	Dept NN. Test ALDOSTERCNE (Lab Administration)	Sample Collected	
		Hospital Id	Own or gam	D Age CT	Department	2104645735	RENIX (Lab Administration)	Sample Collected	
-		Candler		Location	CUNICAL CHEMISTRY	2104445735	RENIX (Call )	Sample Collected	
	Nett		Ordering Doctor	New Amit - OREEN COU	CUNCAL CREMISTRY	1.4	no-Troponin I (NEW)		
	Dete	Accession N 2104307284	a	New Amir - GREEN CCU	CUNCAL CHEMISTRY	2104445472	CORTISOL	Sample Collected	
	cr 14 22			Nev Aniel - GREEN CCU	CLINICAL CALLOR	2104464529	CORTISOL - MORNING	Sample Collected	
	und May 24, 25	21 2104337264		New Artist - GREEN CCU	CLINICAL CHEMISTRY	2104444525	CORTISOL	Sample Collected	
		2104337905	WATED	New Artist - Original Cold	CUMICAL CHEMISTRY	2104444238	Thyrold- Stimulating Hormone (TSH)	Sample Collected	
31- <b>Set</b>		212433(541	,0ME0	Nev Aniti - GREEN CCU	CLINICAL CHEMISTRY	2104440340			
(SL-				Nev Anin - GREEN CCU	CUNCAL CHEMSTRY		HBA10	,Jughoris∉	
ID SAL			AHMED ASEM ABOULLAH	Nev - Cardiac Care Unit	CLINCAL CHEMSTRY	2104440549	Creatinine	Authorise	
Selec				Ner - Cardiac Care Unit	CLINDAL CHEMISTRY	2104443908	Caloum (Cit)	Authorise	
Select		2104336140	ASEM ABDULLAR	Nex- Cardiac Care Unit		2186443938	Atkaline Phosphatase (ALP)		
	\$14y 24, 2121	2104306028	ASSM. ABDULLAH	New - Cardioc Care Unit	CLINICAL CHEMISTRY	2104443908		Authorise	
X X Sett	May 24, 2021	2104305020	ASEM ADDULLAN	Nev - Carelac Care Unit	CLINICAL CHEMISTRY	2104443908	Total Protein (TP)	Authorise	
X Select	May 24, 2021	2104320020	ASEM. ABOULLAH		CLINICAL CHEMISTRY		Crea	Authorise	
Select	Nay 24, 2621		ASEM ADOULLAH	New - Cardiac Care Unit	CUMCAL CREMISTRY	2104643908	Carbon Disxide (CO2)	Authorise	
Select	100y 24 2021	2104336028	ASEN. ABOULLAH	New - Cardiac Care Unit	CUNICAL CHEMISTRY	2104443938	Abumin		
Select	May 24, 2021	2104338328	ASEM ABOULLAH	New - Cardiac Care Unit	CLINICAL CHEMISTRY	2104443900	Phosphorus (Phos)	Authorise	
Select	May 24, 2021	2104336020	ASEN ABOULLAN	New - Cardiuc Care Unit		2104443908		Lances	
Seect	stay 24, 2021	2104336029		Ner - Cardiac Care Unit	CLINICAL CHEMISTRY	2184471058	Pacovine (PL)		
	May 24, 2021	2104335008	ASEM ABOULDH	Name Contine Constant	ALMOST CURMETRY				
Select		2134134710	Techt Posts Pa						
Schot	Augures (Augures)								

## **Key Features**

### **Order Processing**

Based on security rights, laboratory staff can enter orders into the system. Labels can be printed automatically and manually

### **Specimen processing**

The system requires the specimen collection to be documented during specimen collection the system assigns a specimen number. Lists of uncollected specimens can be generated. Documentation for ordering, collecting and accessioning can be done in one session

#### **Result processing**

HL7 Interfaced results typically document the order event. Manual entry is also available, based on security

#### **Chart Review**

The system application for security-driven users to access part of, or the entire, patient medical record

## **Charging/Crediting**

Automatically and/or manually post charges to an event based on specimen processing

### Lab Management

The system assigns a unique specimen number at the point of collection which allow the specimen/event to be tracked through the various departments until completion. An audit trail of this specimen movement is maintained within the system. Reports are also available for tracking work

#### Automatic generation of orders

Supplemental tests linked to primary orders (e.g. Barium enema) can be auto generated.

# Automatic detection of duplicate tests or equivalent

**Quality Control Processing** 



## **Benefits**

HARRIS Flex' flexible design allows for a smooth laboratory process for providers, laboratory and nursing staff. Providers can quickly place lab orders with clinical decision support and order sets, and it is immediately available for laboratory and nursing staff to act upon.

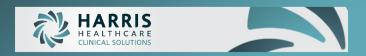
Every step within the lab order maintenance is viewable for all clinical staff and charges can be

sent to your billing system. The HARRIS solution allows a healthcare organization to add new laboratory testing on their own and reporting as it becomes required to Public Health and other reporting authorities.

The solution and reporting requirements are easily adaptable to Public Health agencies requirements across the world.

#### Powered By

## HARRIS HEALTHCARE



Harris Healthcare is a global, leading provider of award-winning digital health solutions that improve the safety, quality, and efficiency of patient care. Harris Healthcare provides proven, flexible solutions that make our clients successful by streamlining processes, increasing productivity, and driving positive clinical outcomes. Harris Healthcare is the healthcare vertical of Harris Computer. Harris Computer's parent company Constellation Software is the largest software business in Canada and is traded on the Toronto Stock Exchange (TSX:CSU) Across the 18 Harris Healthcare Business Units, there are over 1,400 employees supporting their 25 products to 7,000 customers in 34 countries.